



RESPONSE UNDER 37 C.F.R. §1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 1631

02-02-06

1631

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Stavrianopoulos, *et al.*

Serial No.: 08/486,070

Filed: June 7, 1995

For: NUCLEIC ACIDS FIXED OR IMMOBILIZED
TO NON-POROUS SOLID SUPPORT, AND
SYSTEM, ARRAY AND NON-POROUS GLASS
OR PLASTIC SOLID SUPPORT COMPRISING
SUCH FIXED OR IMMOBILIZED NUCLEIC ACIDS

Group Art Unit: 1631

Primary Examiner: John S. Brusca

527 Madison Avenue, 9th Floor
New York, NY 10022-4304
January 31, 2006

FILED VIA EXPRESS MAIL

RETURN RECEIPT REQUESTED

Mail Stop -- Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMMUNICATION

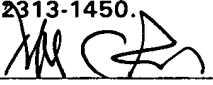
**(TO TRANSMIT MISSING JULY 30, 2002 SECOND SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37 C.F.R. §§1.56 & 1.97-1.98)**

Dear Sirs:

This paper is being filed to supply a missing document in connection with the above-identified application. It also follows a telephone conversation with the Examiner during which the subject of Applicants' July 30, 2002 Second Supplemental Information Disclosure Statement Under 37 C.F.R. §§1.56 & 1.97-1.98 was discussed.¹ Apparently, their July 30, 2002 Second Supplemental IDS was not entered into the file for this application despite evidence of its filing.

¹ Also discussed was Applicants' June 28, 2002 Supplemental Information Disclosure Statement Under 37 C.F.R. §§1.56 & 1.97-1.98. That paper was also apparently not entered into this application, and is, therefore, being submitted to the U.S. Patent and Trademark Office in a separate filing.

Enz-7(P)(C3)

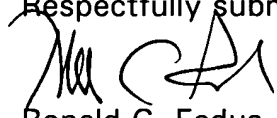
EXPRESS MAIL CERTIFICATE	
"Express Mail" Label No. <u>EL635946833US</u>	
Deposit Date <u>January 31, 2006</u>	
I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop -- Non-Fee Amendment, P. O. Box 1450, Alexandria, VA 22313-1450.	
 Ronald C. Fedus Reg. No. 32,567	<u>JAN 31 2006</u> Date

A complete copy of Applicants' July 30, 2002 Second Supplemental IDS is attached to this Communication as Exhibit A. The complete copy includes copies of the white and green return postcards evidencing receipt by the U.S. Patent and Trademark Office on July 30, 2002. Also included are the transmittal form, the Supplemental IDS itself and the twenty-seven (27) submitted documents (Exhibits 1-17), as well as completed Forms PTO-1449 (Exhibit 28).

It is respectfully requested that the attached Second Supplemental IDS and the submitted twenty-seven documents be entered into the record and considered prior to allowance of this application.

The sole purpose of this Communication is to supply a paper and documents which were previously filed and apparently not entered into this application. Accordingly, no fee or extension request is believed due in connection with this filing. In the event that any fee is due, however, The Patent and Trademark Office is hereby authorized to charge the amount of any such fee to Deposit Account No. 05-1135, or to credit any overpayment thereto.

If a telephone conversation is needed to clarify this matter further, Applicants' undersigned attorney requests that he be contacted at the number provided below.

Respectfully submitted,

Ronald C. Fedus
Registration No. 32,567
Attorney for Applicants

ENZO LIFE SCIENCES, INC.
c/o ENZO BIOCHEM, INC.
527 Madison Avenue, 9th Floor
New York, NY 10022-4304
Telephone: (212) 583-0100
Facsimile: (212) 583-0150

Enz-7(P)(C3)

Please date stamp and return to addressee.

APPLICANT: JANNIS G. STAVRIANOPOULOS ET AL.

TITLE: ARRAYS AND SYSTEMS COMPRISING ARRAYS

FOR GENETIC ANALYSES AND OTHER

APPLICATIONS

ENCLOSED ARE:

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> Application | <input type="checkbox"/> Response to OA |
| <input type="checkbox"/> Declaration | <input type="checkbox"/> Amendment |
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Issue Fee |
| <input type="checkbox"/> Assignment | <input checked="" type="checkbox"/> Other (see below) |

☒ SECOND SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT

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☐ First Class Mailing Date

DATE MAILED: JULY 30, 2002



Serial No. 08/486,070

Docket No. ENZ-7(P) (C3)

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APPLICANT: JANNIS G. STAVRIANOPOULOS ET AL.

TITLE: ARRAYS AND SYSTEMS COMPRISING ARRAYS

FOR GENETIC ANALYSES AND OTHER

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| <input type="checkbox"/> Drawings | <input type="checkbox"/> Issue Fee |
| <input type="checkbox"/> Assignment | <input checked="" type="checkbox"/> Other (see below) |

☒ SECOND SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT

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DATE MAILED: JULY 30, 2002



Serial No. 08/486,070

Docket No. ENZ-7(P) (C3)

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SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Received by (Please Print Clearly) B. Date of Delivery</p>	
<p>1. Article Addressed to:</p> <p>DIRECTOR OF PATENTS AND TRADEMARKS WASHINGTON, DC 20231</p> <p>BOX AF</p>		<p>C. Signature</p> <p>X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>2. Article Number (Copy from service label)</p> <p>EL647884420US</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>PS Form 3811, July 1999</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input checked="" type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
<p>Domestic Return Receipt</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

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LNZ-7(P)(C3)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Received by (Please Print Clearly) B. Date of Delivery</p>	
<p>1. Article Addressed to:</p> <p>DIRECTOR OF PATENTS AND TRADEMARKS WASHINGTON, DC 20231</p> <p>BOX AF</p>		<p>C. Signature</p> <p>X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>2. Article Number (Copy from service label)</p> <p>EL647884420US</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>PS Form 3811, July 1999</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input checked="" type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
<p>Domestic Return Receipt</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

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EXPRESS MAIL

UNITED STATES POSTAL SERVICE®

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DIRECTOR OF PATENTS
AND TRADEMARKS
WASHINGTON, DC
20231

BOX AF

2. Article Number (Copy from service label)

EL647884420US

PS Form 3811, July 1999

Domestic Return Receipt (0259-00-14-0552)

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature ☐ Agent ☐ Addressee

X ☒ Is delivery address different from item 1? ☐ Yes ☐ No

D. If YES, enter delivery address below: ☐ No

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3. Service Type

- ☐ Certified Mail
- ☒ Express Mail
- ☐ Registered
- ☐ Return Receipt for Merchandise
- ☐ Insured Mail
- ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes ☐ No

EL647884420US

Domestic Return Receipt (0259-00-14-0552)

POST OFFICE
TO ADDRESSEE



EL647884420US

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PO ZIP Code	Day of Delivery	Day of Delivery	Time
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Weight	2nd Day	Time	Employee Signature
No Delivery	3rd Day	Signature of Addressee or Agent	Employee Signature
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Ins.	84th Day	Signature of Addressee or Agent	Employee Signature
Weight	85th Day	Signature of Addressee or Agent	Employee Signature
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Ins.	90th Day	Signature of Addressee or Agent	Employee Signature
Weight	91st Day	Signature of Addressee or Agent	Employee Signature
Ins.	92nd Day	Signature of Addressee or Agent	Employee Signature
Weight	93rd Day	Signature of Addressee or Agent	Employee Signature
Ins.	94th Day	Signature of Addressee or Agent	Employee Signature
Weight	95th Day	Signature of Addressee or Agent	Employee Signature
Ins.	96th Day	Signature of Addressee or Agent	Employee Signature
Weight	97th Day	Signature of Addressee or Agent	Employee Signature
Ins.	98th Day	Signature of Addressee or Agent	Employee Signature
Weight	99th Day	Signature of Addressee or Agent	Employee Signature
Ins.	100th Day	Signature of Addressee or Agent	Employee Signature

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EL647884420US

ORIGIN (POSTAL USE ONLY)	
PO ZIP Code	Day of Delivery
10022	Next <input checked="" type="checkbox"/> Second <input type="checkbox"/>
Date	Postage
7-30-02	\$30.40
Mo. 7-30-02	Return Receipt Fee
Time In AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	1.75
Weight lbs. 15 ozs.	COD Fee
No Delivery <input type="checkbox"/> Holiday <input type="checkbox"/>	Insurance Fee
Acceptance Clerk Initials	Total Postage & Fees
RM	\$32.15

RETURN REQUESTED



Customer Copy
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CUSTOMER USE ONLY	
METHOD OF PAYMENT: <input checked="" type="checkbox"/> Express Mail Corporate Acct. No. <input type="checkbox"/> Federal Agency Acct. No. <input type="checkbox"/> Postal Service Acct. No.	
<input type="checkbox"/> WAIVER OF SIGNATURE (Domestic Only): Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent. (If delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.	
<input type="checkbox"/> NO DELIVERY: <input type="checkbox"/> Weekday <input type="checkbox"/> Holiday	
FROM: (PLEASE PRINT) VZO BIGGEM INC/ RONALD C. FEDUS 27 MADISON AVE FL 9 NEW YORK NY 10022-4304 ENZ-7 (P) (C3)	TO: (PLEASE PRINT) DIRECTOR OF PATENTS AND TRADEMARKS WASHINGTON, DC 20231 BOX AF RETURN RECEIPT REQUESTED!

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ORIGIN (POSTAL USE ONLY)			DELIVERY (POSTAL USE ONLY)		
PO ZIP Code	Day of Delivery <input type="checkbox"/> Next <input type="checkbox"/> Second	Flat Rate Envelope <input type="checkbox"/>	Delivery Attempt	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature
Date In Mo. Day Year	<input type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM	Postage \$	Delivery Attempt	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature
Time In <input type="checkbox"/> AM <input type="checkbox"/> PM	Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	Return Receipt Fee	Delivery Date	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature
Weight lbs. ozs.	Int'l Alpha Country Code	COD Fee Insurance Fee	Signature of Addressee or Agent		
No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday	Acceptance Clerk Initials	Total Postage & Fees \$	Name - Please Print		
CUSTOMER USE ONLY METHOD OF PAYMENT: X9999999 Express Mail Corporate Acct. No.			<input type="checkbox"/> WAIVER OF SIGNATURE (Domestic Only): Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.		
Federal Agency Acct. No. or Postal Service Acct. No.			NO DELIVERY <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday Customer Signature		
FROM: (PLEASE PRINT) PHONE () ENZO BIOCHEM INC/RONALD C. FEDUS 527 MADISON AVE FL 9 NEW YORK NY 10022-4304 ENZ-7 (P) (C3)			TO: (PLEASE PRINT) PHONE () DIRECTOR OF PATENTS AND TRADEMARKS WASHINGTON, D.C. 20231 BOX AF RETURN RECEIPT REQUESTED!		

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*EXPEDITED PROCEDURE
RESPONSE UNDER 37 C.F.R. § 1.116
EXAMINING GROUP ART UNIT 1631*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jannis Stavrianopoulos et al.

Serial No. 08/486,070

Group Art Unit: 1631

Filed: June 7, 1995

Examiner: Ardin H. Marschel, Ph.D.

Title: ARRAYS AND SYSTEMS COMPRISING ARRAYS FOR GENETIC ANALYSES
AND OTHER APPLICATIONS (As Previously Amended)

**TRANSMITTAL
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

DIRECTOR OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Sir:

Transmitted herewith is a Second Supplemental Information Disclosure Statement which is being filed in accordance with 37 C.F.R. §§ 1.56 and 1.97-1.98. The items listed on Form PTO-1449, a copy of which is enclosed, may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

1. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 that is not in the English language, an English language translation of that item or a portion thereof or a concise explanation of the relevance of that item is enclosed.
2. ☐ For each of the following items listed on the enclosed copy of form PTO-1449 that is not in the English language, a concise explanation of the relevance of that item is incorporated in the specification of the above-identified application.
3. ☐ Any copy of the items on the enclosed copy of Form PTO-1449 that is not enclosed with this Information Disclosure Statement was previously cited by or submitted to the Patent and Trademark Office in the prior ☐ Divisional or ☐ Continuation-In-Part application under 37 C.F.R. § 1.60, U.S. Serial No. _____, filed _____.

Jannis Stavrianopoulos et al.

Serial No.: 08/486,070

Filed: June 7, 1995


Page 2 [Transmittal -- Second Supplemental Information Disclosure Statement
-- July 30, 2002]

EXPRESS MAIL CERTIFICATE

"Express Mail" Label No.: EL647884420US

Deposit Date: July 30, 2002

I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.110 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.



Ronald C. Fedus
Reg. Exhibit 32,567

July 30 2002

Date

4. ☐ No fee is due under 37 C.F.R. §1.17(p) for this Information Disclosure Statement since it is being filed in compliance with:
- ☐ 37 C.F.R. §1.97(b)(1), within three months of the filing date of the above-identified application.
 - ☐ 37 C.F.R. §1.97(b)(2), within three months of the date of entry into the national stage as set forth in 1.491 in an international application.
 - ☐ 37 C.F.R. §1.97(b)(3), before the mailing date of a first Office action on the merits.
5. ☐ No fee is due under 37 C.F.R. §1.17(p) for this Information Disclosure Statement since it is being filed in compliance with 37 C.F.R. §1.97(c), after the period specified in paragraph 4 above but before the mailing date of a final action or a Notice of Allowance (where there has been no prior final action), and is accompanied by one of the certifications pursuant to 37 C.F.R. 1.97(e) set forth in paragraph 9 below.
6. ☐ A fee is due under 37 C.F.R. §1.17(p) for this Information Disclosure Statement since it is being filed in compliance with 37 C.F.R. §1.97(c), after the period specified in paragraph 4 above but before the mailing date of a final action or a notice of allowance (where there has been no prior final action):
- ☐ A check in the amount of \$240.00 is enclosed in payment of the fee.
 - ☐ Charge the fee to Deposit Account No. 05-1135, Order No. ENZ-7(P)(C3). A DUPLICATE COPY OF THIS SHEET IS ATTACHED.
7. ☐ A fee is due under 37 C.F.R. §1.17(i)(1) for this Information Disclosure Statement since it is being filed in compliance with 37 C.F.R. §1.97(d), after the mailing date of a final action or a notice of allowance, whichever comes first, but before payment of the issue fee, and is accompanied by:
- a. one of the certification pursuant to 37 C.F.R. §1.97(e) set forth in paragraph 9 below; and
 - b. the attached petition requesting consideration of this Information Disclosure Statement; and

Jannis Stavrianopoulos et al.

Serial No.: 08/486,070

Filed: June 7, 1995

Page 4 [Transmittal -- Second Supplemental Information Disclosure Statement
-- July 30, 2002]

- c. the fee due under 37 C.F.R. §1.17(i)(1) which is paid as set forth in paragraph 10 below.

8. ☐ A fee is due under 37 C.F.R. §1.17(i)(1) for this Information Disclosure Statement since it is being filed in compliance with:

- a. ☐ 37 C.F.R. §1.313(b)(3), after the issue fee has been paid and information cited in this Information Disclosure Statement may render at least one claim unpatentable and is accompanied by the attached Petition To Withdraw Application From Issue;

- b. ☐ 37 C.F.R. §1.313(b)(5), after the issue fee has been paid and information cited in this Information Disclosure Statement is to be considered in a Continuation application upon abandonment of the instant application and is accompanied by the attached Petition To Withdraw Application From Issue.

- c. ☐ The fee due under 37 C.F.R. §1.17(i)(1) is paid as set forth in paragraph 10 below.

9. ☐ I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

☐ I hereby certify that no item of information in the Information Disclosure Statement filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

10. ☐ A check in the amount of \$130.00 is enclosed in payment of the fee due under 37 C.F.R. §1.17(i)(1).

☐ Charge the fee under 37 C.F.R. §1.17(i)(1) to Deposit Account No. 05-1135. Order No. _____. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Jannis Stavrianopoulos et al.

Serial No.: 08/486,070

Filed: June 7, 1995

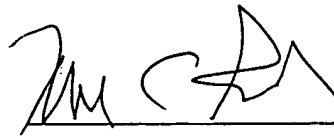
Page 5 [Transmittal -- Second Supplemental Information Disclosure Statement
-- July 30, 2002]

[x] The Commissioner is hereby authorized to charge any additional fees which may be required for this Second Supplemental Information Disclosure Statement, or credit any overpayment to Deposit Account No. 05-1135.
A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

Dated: July 30, 2002

By:



RONALD C. FEDUS

Registration No.: 32,567

Mailing Address:

ENZO LIFE SCIENCES, INC.
c/o Enzo Biochem, Inc.
292 Madison Avenue, 9th Floor
New York, New York 10022
Telephone: (212) 583-0100
Telefax: (212) 583-0150



*EXPEDITED PROCEDURE
RESPONSE UNDER 37 C.F.R. § 1.116
EXAMINING GROUP ART UNIT 1631*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Stavrianopoulos et al.)	
Serial No.:	08/486,070)	Group Art Unit: 1631
Filed:	June 7, 1995)	Ex'r: Ardin H. Marschel, Ph.D.
For:	ARRAYS AND SYSTEMS COMPRISING)	
	ARRAYS FOR GENETIC ANALYSES AND)	
	OTHER APPLICATIONS)	
	(As Previously Amended))	

527 Madison Avenue, 9th Floor
New York, New York 10022
July 30, 2002

FILED VIA EXPRESS MAIL

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56 & 1.97-1.98**

Dear Sirs:

Pursuant to the provisions of 37 C.F.R. §§ 1.97-1.98, and in full compliance with their duty of disclosure under 37 C.F.R. § 1.56, Applicants are filing this Second Supplemental Information Disclosure Statement. This paper follows Applicants' June 28, 2002 Supplemental Information Disclosure Statement Under 37 C.F.R. §§ 1.56 & 1.97-1.98. In submitting this paper, Applicants, through their attorney, are bringing the following twenty-seven (27) documents to the attention of the U.S. Patent and Trademark Office and the Examiner handling their above-identified application:

Enz-7(P)(C3)

Jannis Stavrianopoulos et al.

Serial No.: 08/486,070

Filed: June 7, 1995

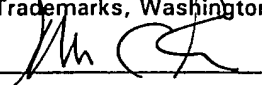
Page 2 [Second Supplemental Information Disclosure Statement
-- July 30, 2002]

EXPRESS MAIL CERTIFICATE

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I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.110 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.


Ronald C. Fedus
Reg. Exhibit 32,567

July 30 2002
Date

Jannis Stavrianopoulos et al.

Serial No.: 08/486,070

Filed: June 7, 1995

Page 3 [Second Supplemental Information Disclosure Statement
-- July 30, 2002]

1. Mundy, U.S. Patent No. 4,656,127 issued April 7, 1987 [EXHIBIT 1];
2. Maxam, A.M. and Gilbert, W., "Sequencing End-Labeled DNA with Base-Specific Chemical Cleavages," ~~Methods in Enzymology~~ 65:499-560 (1980) [EXHIBIT 2];
3. Sanger, F. et al., "DNA Sequenceing with chain-terminating inhibitors," ~~Proc. Natl. Acad. Sci. (USA)~~ 74(12):5463-5467 (1977) [EXHIBIT 3];
4. Barzynski et al., U.S. Patent No. 3,849,137, issued November 19, 1974 [EXHIBIT 4];
5. Pazos, U.S. Patent No. 4,269,933, issued May 26, 1981 [EXHIBIT 5];
6. Fusek, U.S. Patent No. 4,516,833, issued May 14, 1985 [EXHIBIT 6];
7. Urdea et al., U.S. Patent No. 4,517,338, issued May 14, 1985 [EXHIBIT 7];
8. Elings et al., U.S. Patent No. 4,537,861, issued August 27, 1985 [EXHIBIT 8];
9. Lowe et al., U.S. Patent No. 4,562,157, issued December 31, 1985 [EXHIBIT 9];
10. Dattagupta et al., U.S. Patent No. 4,713,326, issued December 15, 1987 [EXHIBIT 10];
11. Guire, U.S. Patent No. 4,973,493, issued November 27, 1990 [EXHIBIT 11];
12. Eian et al., European Patent Application Publication No. EP 0 046 083, filed August 10, 1981 [EXHIBIT 12];
13. Dueber et al., European Patent Application Publication No. EP 0 103 197, filed August 16, 1983 [EXHIBIT 13];
14. Geysen, H. M., International PCT Patent Application Publication No. WO 84/03564, filed March 8, 1984 [EXHIBIT 14];

15. Amit B. et al., "Photosensitive Protecting Groups of Amino Sugars and Their Use in Glycoside Synthesis. 2-Nitrobenzyloxycarbonylamino and 6-Nitroveratryloxycarbonylamino Derivatives," Journal of Organic Chemistry 39(2):192-196 (1974) [EXHIBIT 15];
16. Amit B. et al., "Photosensitive Protecting Groups - A Review," Israel Journal of Chemistry 12(1-2):103-113 (1974) [EXHIBIT 16];
17. Barltrop J.A. et al., "Photosensitive Protective Groups," Chemical Communications 22:822-823 (1966) [EXHIBIT 17];
18. Flanders D.C. and Smith, H.I., "A new interferometric alignment technique," Applied Physics Letters 31(7):426-428 (1977) [EXHIBIT 18];
19. Krile T.F. et al., "Multiple holography with chirp-modulated binary phase-coded reference-beam masks," Applied Optics 18(1):52-56 (1979) [EXHIBIT 19];
20. Ohtsuka E. et al., "Studies on transfer ribonucleic acids and related compounds. IX⁽¹⁾ Ribooligonucleotide synthesis using a photosensitive o-nitrobenzyl protection at the 2'-hydroxyl group," Nucleic Acids Research 1(10):1351-1357 (1974) [EXHIBIT 20];
21. Patchornik A. and Amit B., "Photosensitive Protecting Groups," Journal of the American Chemical Society 92:6333-6335 (1970) [EXHIBIT 21];
22. Pillai V.N.R. et al., "3-Nitro-4-Aminomethylbenzoyl derivative von Polyethylenglykolen: Eine neue Klasse von Photo-sensitiven loslichen Polymeren Trägern zur Synthese von C-terminalen Peptidamiden," Tetrahedron Letters 36:3409-3412 (1979) [Please note that this article is written in German [EXHIBIT 22];
23. Pillai V.N.R., "Photoremovable Protecting Groups in Organic Synthesis," Synthesis (International Journal of Methods in Synthetic Organic Chemistry), Schill, G. et al., eds., Georg Thieme Verlag publishers, Stuttgart and New York, pages 1-26, published 1980. [EXHIBIT 23];
24. Zehavi U. et al., Light-Sensitive Glycosides. I. 6-Nitroveratryl Beta-D-Glucopyranoside and 2-Nitrobenzyl Beta-D-Glucopyranoside," Journal of Organic Chemistry 37(14):2281-2285 (1972) [EXHIBIT 24];

Jannis Stavrianopoulos et al.

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Filed: June 7, 1995

Page 5 [Second Supplemental Information Disclosure Statement
-- July 30, 2002]

25. Dattagupta et al., U.S. Patent No. 4,542,102, issued September 17, 1985 [EXHIBIT 25];
26. Frank et al., U.S. Patent No. 4,689,405, issued August 25, 1987 [EXHIBIT 26]; and
27. Seed B., "Diazotizable arylamine cellulose papers for the coupling and hybridization of nucleic acids," Nucleic Acids Research 10(5):1799-1810 (1982) [EXHIBIT 27].

A completed Form PTO-1449 listing the 27 above-submitted documents is also attached hereto as Exhibit 28.

The above-listed documents came to the attention of Applicants' attorney while reviewing several U.S. patents. The first three documents (Nos. 1-3, Exhibits 1-3) were cited in Chee et al., U.S. Patent No. 5,837,832, issued on November 17, 1998. The next 21 documents (Nos. 4-24, Exhibits 4-24) were cited in Fodor et al., U.S. Patent No. 5,744,305, issued on April 28, 1998. The last three documents (Nos. 25-27, Exhibits 25-27) were cited in Fodor et al., U.S. Patent No. 5,800,992, issued on September 1, 1998.

By this voluntary citation of art, Applicants and their attorney are requesting that the documents be made of record in the present application.

The above citation of documents is not a representation that these documents constitute a complete or exhaustive listing, nor that the above listing necessarily includes the closest or most relevant documents, nor are these documents necessarily a complete listing of all documents known to Applicants or their attorney. It is simply a voluntary citation of documents made in good faith, which is not intended to serve in any way as a substitute for the Examiner's own search.

In view of the general and specific features described and claimed in the present application, Applicants respectfully submit that the present invention is neither disclosed nor suggested by the documents referred to above and is thus

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patentably distinct thereover. Furthermore, Applicants do not believe, and do not submit, by the citation of these references, that these documents, either by themselves or in combination with other documents, render the invention *prima facie* obvious under the duty of disclosure rules.

Applicants respectfully request that the Examiner make the above-submitted documents of record in the instant application. Applicants further request that the Examiner consider these documents as any of them may relate to the instant application.

The fee under 37 C.F.R. §1.17(p) for filing this Second Supplemental Information Disclosure Statement is \$180.00. The Patent and Trademark Office is hereby authorized to charge the amount of this fee (and any other fees in connection with this IDS) to Deposit Account No. 05-1135, or to credit any overpayment thereto.

Respectfully submitted,



Ronald C. Fedus

Registration No. 32,567

Attorney for Applicants

ENZO LIFE SCIENCES, INC.
c/o Enzo Biochem, Inc.
527 Madison Avenue, 9th Floor
New York, New York 10022-4304
Tel. (212) 583-0100
Fax (212) 583-0150

* * * * *

Form PTO-1449 U.S. Department of Commerce

(REV. 8-83) Patent and Trademark Office

Atty. Docket No.
ENZ-7(P)(C3)

Serial No. 08/486,070

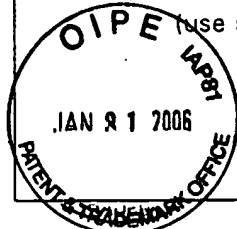
INFORMATION DISCLOSURE CITATION

(use several sheets if necessary)

Applicants: Jannis Stavrianopoulos et al.

Filed: June 7, 1995

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**EXAMINER'S
COPY**

U.S. PATENT DOCUMENTS

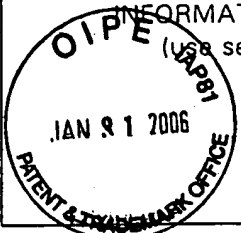
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	4 6 5 6 1 2 7	4/7/87	Mundy			
	3 8 4 9 1 3 7	11/19/74	Barzynski			
	4 2 6 9 9 3 3	5/26/81	Pazos			
	4 5 1 6 8 3 3	5/14/85	Fusek			
	4 5 1 7 3 3 8	5/14/85	Urdea			
	4 5 3 7 8 6 1	8/27/85	Elings			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN- SLATION YES NO
0 0 4 6 0 8 3		EP			
0 1 0 3 1 9 7		EP			
W O 8 4 0 3 5 6 4		PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Maxam, A.M. and Gilbert, W., <u>Methods in Enzymology</u> 65:499-560 (1980)
	Sanger, F. et al., <u>Proc. Natl. Acad. Sci (USA)</u> 74(12):5463-5467 (1977)
	Amit B. et al., <u>Journal of Organic Chemistry</u> 39(2):192-196 (1974)
	Amit B. et al., <u>Israel Journal of Chemistry</u> 12(1-2):103-113 (1974)
	Barltrop J.A. et al., <u>Chemical Communications</u> 22:822-823 (1966)
EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office 	Atty. Docket No. ENZ-7(P)(C3)	Serial No. 08/486,070
	Applicants: Jannis Stavrianopoulos et al.	
	Filed: June 7, 1995	Group: 1631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	4 5 6 2 1 5 7	12/31/85	Lowe			
	4 7 1 3 3 2 6	12/15/87	Dattagupta			
	4 9 7 3 4 9 3	11/27/90	Guire			
	4 5 4 2 1 0 2	9/17/85	Dattagupta			
	4 6 8 9 4 0 5	8.25.87	Frank			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN- SLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Flanders D.C. and Smith, H.I., <u>Applied Physics Letters</u> 31(7):426-428 (1977)
	Krile T.F. et al., <u>Applied Optics</u> 18(1):52-56 (1979)
	Ohtsuka E. et al., <u>Nucleic Acids Research</u> 1(10):1351-1357 (1974)
	Patchornik A. and Amit B., <u>Journal of the American Chemical Society</u> 92:6333-6335 (1970)
	Pillai V.N.R. et al., <u>Tetrahedron Letters</u> 36:3409-3412 (1979)
	Pillai V.N.R., <u>Synthesis</u> (International Journal of Methods in Synthetic Organic Chemistry Chemistry), Schill, G. et al., eds., Georg Thieme Verlag publishers, Stuttgart and New York, pages 1-26, published 1980
	Zehavi U. et al., <u>Journal of Organic Chemistry</u> 37(14):2281-2285 (1972)
	Seed B., <u>Nucleic Acids Research</u> 10(5):1799-1810 (1982)

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